

Western and Central North Dakota

July 2013 Climate Summary



**National Weather Service
Bismarck, North Dakota**





July 2013 Highlights



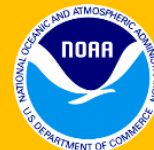
- Most locations across west and central North Dakota experienced:
 - Cooler than normal temperatures.
 - Below average rainfall.
 - July of 2013 was the 3rd driest July on record for Jamestown.
 - Except in Minot, which received 2 inches more than normal and was the 7th wettest July on record.
- Abnormally dry conditions expanded into and around the James river valley.



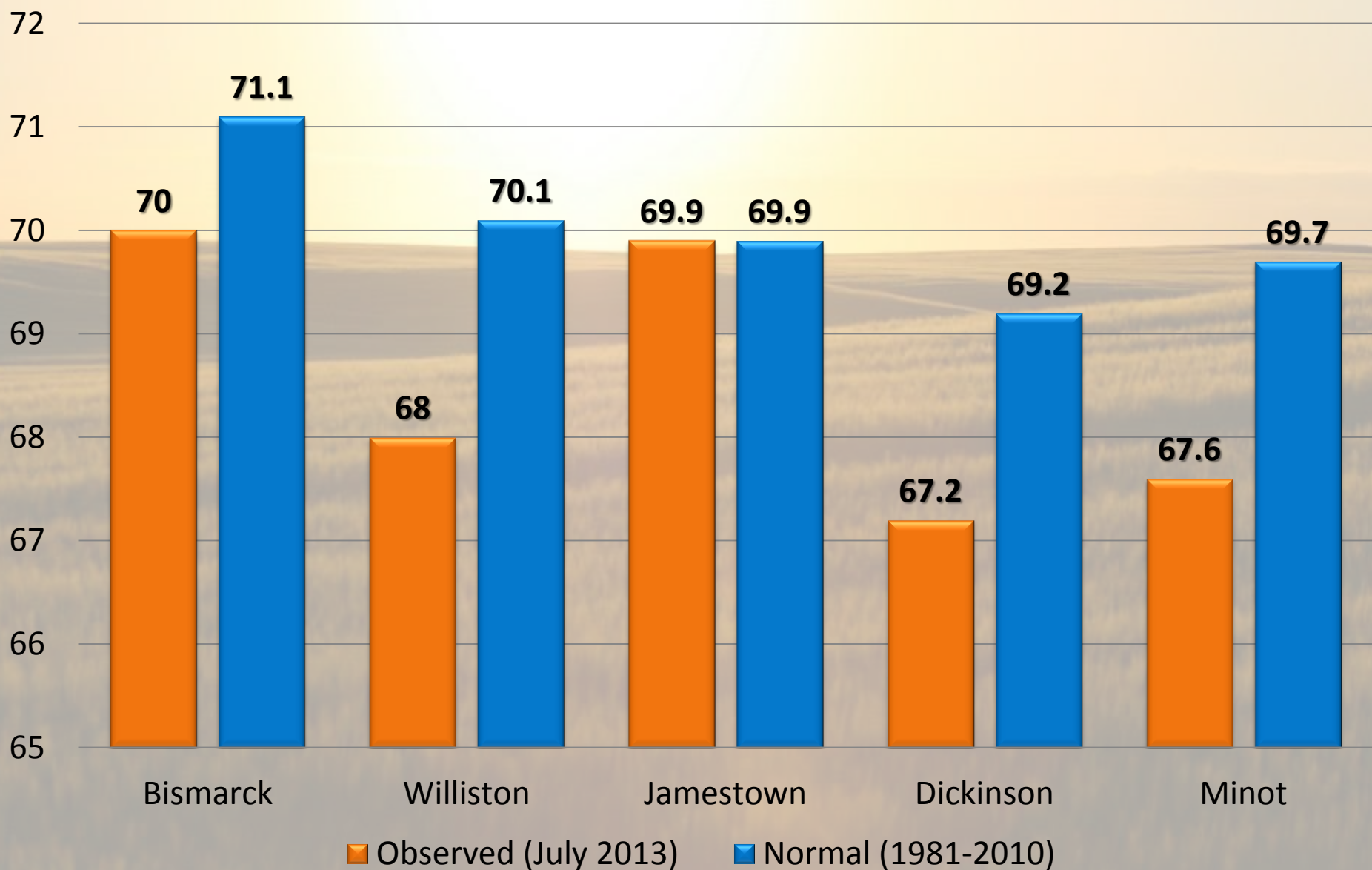
Record Events in July



- **July 27th**
 - Bismarck drops to a record low of 39°, breaking the old record of 43° set in 1994.
 - Jamestown drops to a record low of 42°, breaking the old record of 44 ° set in 1904.
 - Dickinson drops to 40°, tying the record set in 1971.
- **July 28th** Jamestown drops to a record low of 41°, breaking the old record of 42° set in 1934.



Average Observed and Normal July Temperatures

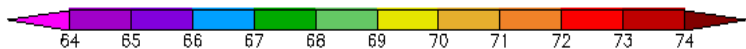
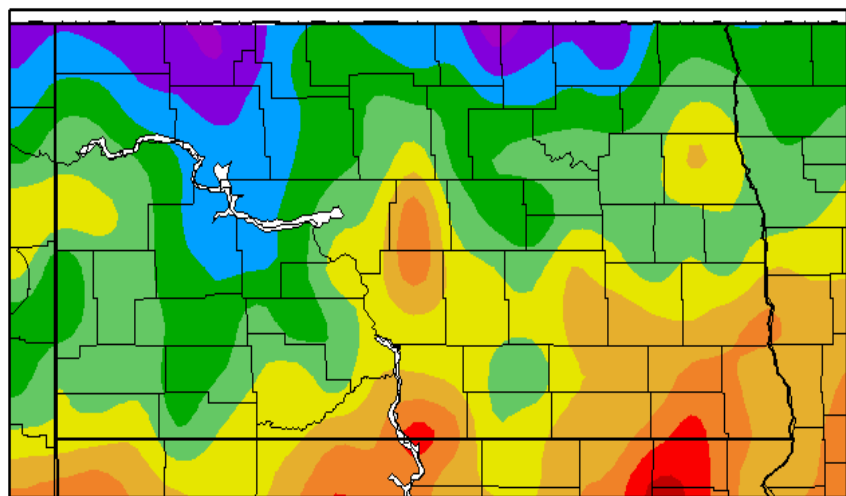




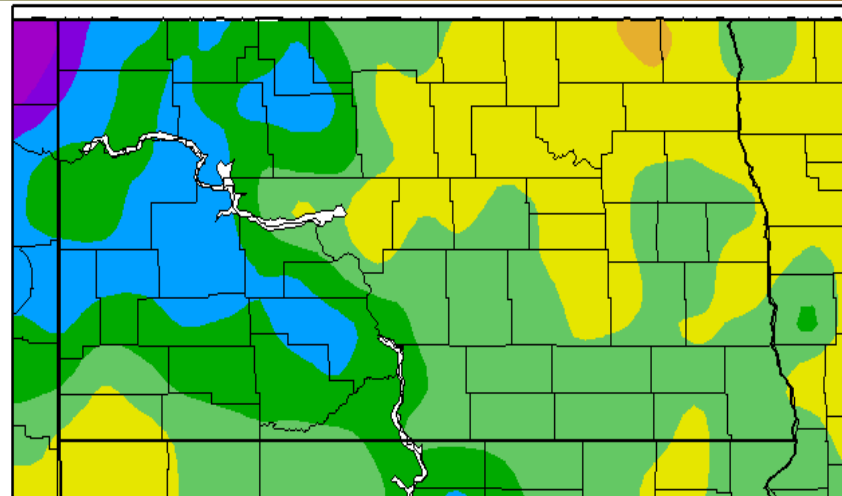
July 2013 Temperature Summary



Average Temperature

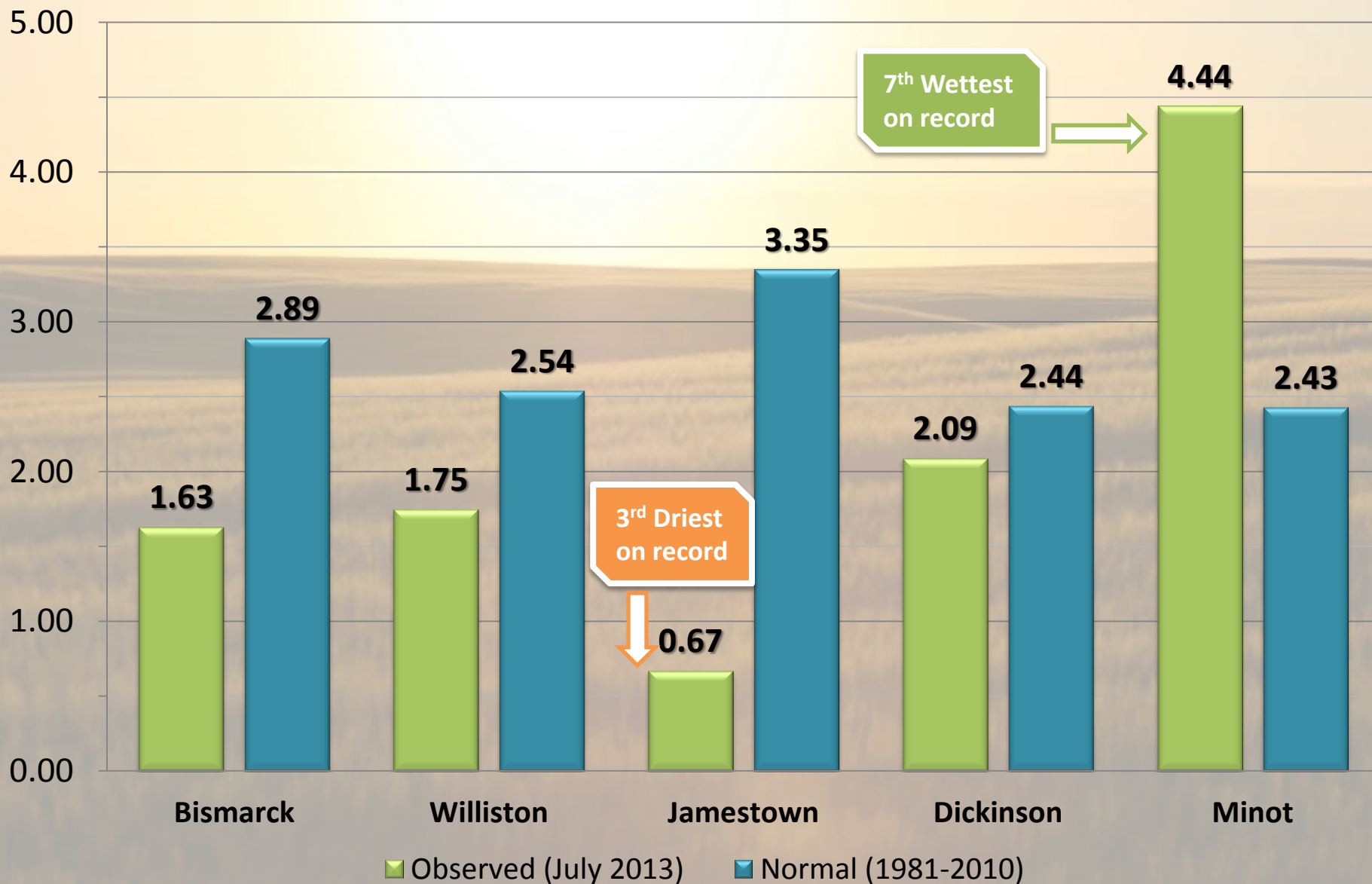


Departure from Normal



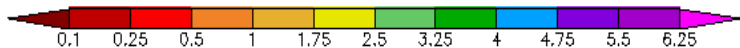
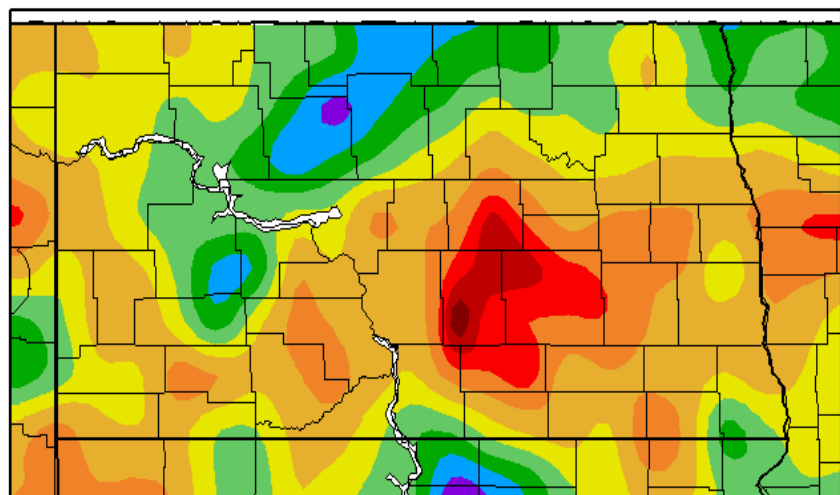


Observed and Normal July Rainfall

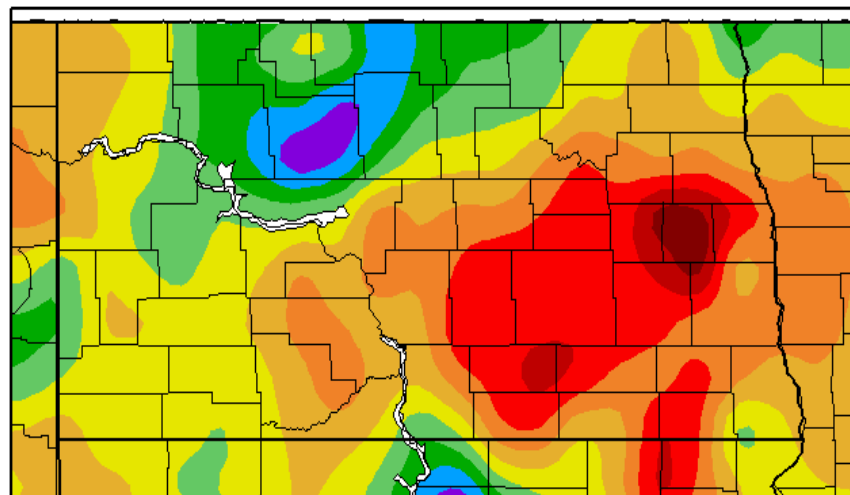


July 2013 Rainfall Summary

Total Rainfall



Departure from Normal



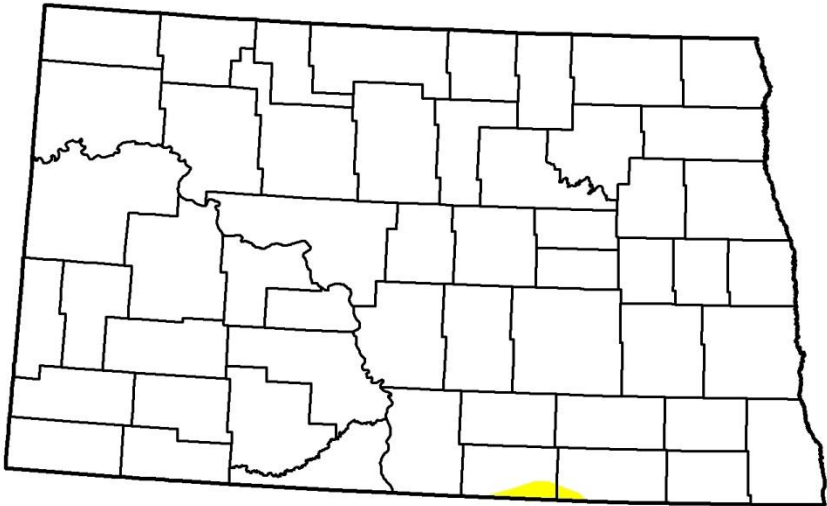


Drought Update



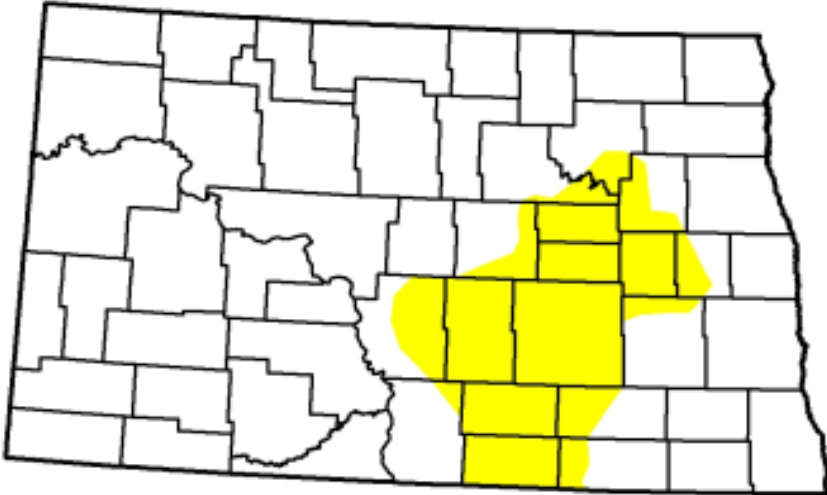
July 2nd, 2013

July 30, 2013



Intensity:

- | | |
|-----------------------|--------------------------|
| D0 Abnormally Dry | D3 Drought - Extreme |
| D1 Drought - Moderate | D4 Drought - Exceptional |
| D2 Drought - Severe | |



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